

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicanting Sumeet Sandhu

Title:

MULTIPLE-ANTENNA COMMUNICATION SYSTEMS AND METHODS FOR

COMMUNICATING IN WIRELESS LOCAL AREA NETWORKS THAT INCLUDE

SINGLE-ANTENNA COMMUNICATION DEVICES

Docket No.:

884.B71US1

Unknown

Serial No.: 10/751,007

Filed:

December 30, 2003

Due Date: N/A

Examiner:

Group Art Unit: 2681

## MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

X A return postcard.

X An Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 5 cited documents, including the International Search Report filed in corresponding PCT Application No. PCT/US2004/043324 (4 pgs.).

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Atty: Ann M. McCracklin

Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 

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Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

O | P S/N 10/751,007

JUL 1 8 2005 ∞

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Sumeet Sandhu Examiner: Unknown

Filed: December 30, 2003 Group Art Unit: 2681

Docket: 884.B71US1

Title: MULTIPLE-ANTENNA COMMUNICATION SYSTEMS AND METHODS FOR

COMMUNICATING IN WIRELESS LOCAL AREA NETWORKS THAT

INCLUDE SINGLE-ANTENNA COMMUNICATION DEVICES

Assignee: Intel Corporation Customer Number: 21186

## INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

The documents, listed on the attached 1449, were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of the cited foreign patent documents and the Search Report.

INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186 Serial No :10/751,007

Filing Date: December 30, 2003

Title: MULTIPLE-ANTENNA COMMUNICATION SYSTEMS AND METHODS FOR COMMUNICATING IN WIRELESS LOCAL AREA

NETWORKS THAT INCLUDE SINGLE-ANTENNA COMMUNICATION DEVICES

Assignee: Intel Corporation

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

SUMEET SANDHU

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. Attorneys for Intel Corporation P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9592

Dkt: 884.B71US1 (INTEL)

Date July 14, 2005

Ann M. McCrackin

Reg. No. 42,858

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Signature

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dider thy Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/751,007 **Application Number** STATEMENT BY APPLICANT (Use as many sheets as faces December 30, 2003 Filing Date Sandhu, Sumeet First Named Inventor JUL 1 8 2005 2681 **Group Art Unit** Unknown **Examiner Name** Attorney Docket No: 884.B71US1 Sheet 1 of 1

	US PATENT DOCUMENTS							
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate				
	US- 2002/0041635 A1	04/11/2002	Ma, J. , et al.	03/28/2001				
	US- 2002/0122381 A1	09/05/2002	Wu, S., et al.	12/29/2000				

		FOREIGN PATEN	II DOCOMENIO	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	EP-1170897A1	09/01/2002	Wang, Z., et al.	
	EP-1494381A1	01/05/2005	Sudo, H., et al.	
	WO-03/034644A1	04/24/2003	Ma, J., et al.	
	WO-03/085869A1	10/16/2003	Sudo, H., et al.	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		"International Search Report for corresponding PCT Application No. PCT/US2004/043324", (Attorney Docket No. 884.B71WO1), (May 19, 2005), 4 pgs.	